

518,001

Rec'd PCT/PTO 14 DEC 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

10/518001

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number  
WO 03/106485 A1

(51) International Patent Classification<sup>7</sup>: C07K 14/00,  
C12N 15/12, 15/70

(21) International Application Number: PCT/EP02/06596

(22) International Filing Date: 14 June 2002 (14.06.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant and

(72) Inventor: TADROS, Monier [DE/DE]; Am Retzgraben  
58, 79108 Freiburg (DE).

(74) Agent: STÜRKEN, Joachim; J. Stürken Patentanwalts-  
gesellschaft mbH, Engesserstr. 4a, 79108 Freiburg (DE).

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,  
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR,  
GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent  
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG).

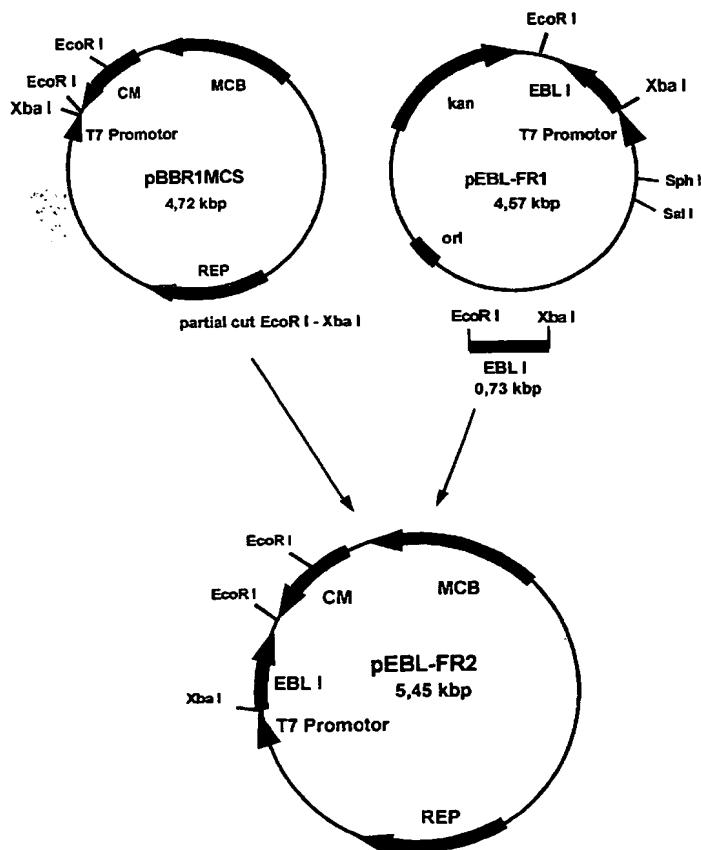
Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

(54) Title: METHOD FOR THE PRODUCTION OF PROTAMINE



(57) Abstract: The present invention generally relates to the fields of genetic engineering and biochemistry. In particular, it relates to a novel method for the production of protamine as well as to novel method for the production of protamine as well as to novel compositions containing protamine as active ingredient. Furthermore, it relates to the use of said compositions for killing or inhibiting microbial cells.



WO 03/106485 A1